#2



OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/047,855

DATE: 02/05/2002

TIME: 16:19:33

Input Set : A:\Seqlist.txt

Output Set: N:\CRF3\02052002\J047855.raw

ENTERED

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RAW SEQUENCE LISTING DATE: 02/05/2002 PATENT APPLICATION: US/10/047,855 TIME: T6:19:33

Input Set : A:\Seqlist.txt

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			EQUE														
				-			-			_	_					tgcggg	
67	agc	cete	cta (gacc	cctg	eg g	CLLCI	cct	c taa			_				ac cag	112
68											et A. L	Ld AS	sp Se		tu As 5	sn Gln	
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							Gly										211
76		25				0_4	30	011			Φ ±1	35	P	0,0		501	
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82	cag	acc	cct	gca	gag	aat	gcc	cca	aag	ccg	aaa	aat	gac	ttt	atc	qaq	307
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84					60				_	65	-		-		70		
86	agc	ctg	cct	aat	tcg	gtg	aaa	tgc	cga	gtc	ctg	gcc	ctc	aaa	aag	ctg	355
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92			90					95					100				
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96		105					110					115					
							gag										499
	11e) 12(GIU	Leu	Thr		Glu	Met	GIu	GLY			Trp	Thr	Leu		
						125		. ~~~	. +		130				- ~	135	E 4 7
																ggg Gly	547
104		GIU	GIL	GIL	140		ı Giu	GIU	тут	. G.u	_	ASE	GIU	GIU	150	_	
		σασ	r dad	т пас			r man	act	acc			, act				gcc	595
																Ala	393
108			, 010	155		. OI	. OIU	niu	160		O L U	, nru	HIU	165		AIU	
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							Ala										0.10
112			170					175			<u>-</u> -		180	-	-1-		
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RAW SEQUENCE LISTING DATE: 02/05/2002 PATENT APPLICATION: US/10/047,855 TIME: 16:19:33

Input Set : A:\Seqlist.txt

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150
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151 Ser Met Leu Trp Lys Ala Thr Ile Val Leu Ser Arg Gly Val Ser Val
152
153 Gln Tyr Arg Tyr Phe Lys Gly Tyr Phe Leu Glu Pro Lys Thr Ile Gly
154 65
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155 Gly Pro Cys Gln Val Ile Val His Lys Trp Glu Thr His Leu Gln Pro
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157 Arg Ser Ile Thr Pro Leu Glu Ser Glu Ile Ile Asp Asp Gly Gln
158
               100
                                  105
159 Phe Gly Ile His Asn Gly Val Glu Thr Leu Asp Ser Gly Trp Leu Thr
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161 Cys Gln Thr Glu Ile Arg Leu Arg Leu His Tyr Ser Glu Lys Pro Pro
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163 Val Ser Ile Thr Lys Lys Lys Leu Lys Lys Ser Arg Phe Arg Val Lys
165 Leu Thr Leu Glu Gly Leu Glu Glu Asp Asp Asp Asp Yal Ser Pro
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167 Thr Val Leu His Lys Met Ser Asn Ser Leu Glu Ile Ser Leu Ile Ser
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RAW SEQUENCE LISTING DATE: 02/05/2002 PATENT APPLICATION: US/10/047,855 TIME: 16:19:33

Input Set : A:\Seqlist.txt

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173	Asp	Asn	Leu	Glu	Leu	Ile	Phe	Asp	Phe	Phe	Glu	Glu	Asp	Leu	Ser	Glu
174	225					230					235					240
175	His	Val	Val	Gln	Gly	Asp	Ala	Leu	Pro	Gly	His	Val	Gly	Thr	Ala	Cys
176					245	-				250			_		255	
177	Leu	Leu	Ser	Ser	Thr	Ile	Ala	Glu	Ser	Gly	Lys	Ser	Ala	Gly-	Ile	Leu
178				260					265	_	-			270		•
179	Thr	Leu	Pro	Ile	Met	Ser	Arq	Asn	Ser	Arg	Lys	Thr	Ile	Gly	Lys	Val
180			275				_	280		_	-		285	_	-	
181	Arq	Val	Asp	Tyr	Ile	Ile	Ile	Lys	Pro	Leu	Pro	Gly	Tyr	Ser	Cys	Asp
182	_	290	-	•			295	-				300	_		-	_
183	Met	Lys	Ser	Ser	Phe	Ser	Lys	Tyr	Trp	Lys	Pro	Arg	Ile	Pro	Leu	Asp
_	305	•				310	•	•	-	•	315	_				320
		Gly	His	Arq	Gly	Ala	Gly	Asn	Ser	Thr	Thr	Thr	Ala	Gln	Leu	Ala
186		_		_	325		•			330					335	
187	Lys	Val	Gln	Glu	Asn	Thr	Ile	Ala	Ser	Leu	Arg	Asn	Ala	Ala	Ser	His
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190			355					360					365	-		
191	Pro	Val	Val	Tyr	His	Asp	Leu	Thr	Cys	Cys	Leu	Thr	Met	Lys	Lys	Lys
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195	Thr	Phe	Asp	Gln	Leu	Gln	Leu	Leu	Lys	Leu	Thr	His	Val	Thr	Ala	Leu
196			_		405				_	410					415	
197	Lys	Ser	Lys	Asp	Arg	Lys	Glu	Ser	Val	Val	Gln	Glu	Glu	Asn	Ser	Phe
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209	Arg	Gln	Lys	Gln	Asn	Lys	Tyr	${\tt Pro}$	Ile	Leu	Phe	Leu	Thr	Gln	Gly	Lys
210			515					520					525			
211	Ser	Glu	Ile	Tyr	Pro	Glu	Leu	Met	Asp	Leu	Arg	Ser	Arg	Thr	Thr	${\tt Pro}$
212		530					535					540				
213	Ile	Ala	Met	Ser	Phe	Ala	Gln	Phe	Glu	Asn	Leu	Leu	Gly	Ile	Asn	Val
214	545					550					555					560
215	His	Thr	Glu	Asp	Leu	Leu	Arg	Asn	Pro	Ser	Tyr	Ile	Gln	Glu	Ala	Lys
216					565					570					575	
217	Ala	Lys	Gly	Leu	Val	Ile	Phe	Cys	${\tt Trp}$	Gly	Asp	Asp	Thr	Asn	Asp	Pro
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RAW SEQUENCE LISTING DATE: 02/05/2002 PATENT APPLICATION: US/10/047,855 TIME: 16:19:33

Input Set : A:\Seqlist.txt

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223	Glu	Gln	Leu	Glu	Arg	Leu	Lys	Gln	Glu	Leu	Pro	Glu	Leu	Lys	Ser	Cys	
	625					630					635					640	
	Leu	Cys	Pro	Thr		Ser	Arg	Phe	Val		Ser	Ser	Leu	Cys		Glu	
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248							,	net. 1	LIIT 1	, 10	ser ,	5	val z	ara i	ine (314	
249 251	ata	ana	σσα	act	ctt	tta	cca		αаа	at.t.	ttt	-	ata	tat	qqa	agc	219
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253		9	U-1			15		• •			20			_		25	•
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259	cca	gag	aat	gac	aca	ggt	gaa	agc	atg	cta	tgg	aaa	gca	acc	att	gta	315
260	Pro	Glu	Asn		Thr	Gly	Glu	Ser		Leu	Trp	Lys	Ala	Thr	Ile	Val	
261				4 -							_						
				45					50					55			
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264 265	Leu	Ser	Arg 60	gga Gly	Val	Ser	Val	Gln 65	tat Tyr	cgc Arg	tac Tyr	ttc Phe	aaa Lys 70	ggg Gly	Tyr	Phe	363
264 265 267	Leu tta	Ser	Arg 60 cca	gga Gly aag	Val act	Ser	Val ggt	Gln 65 ggt	tat Tyr cca	cgc Arg	tac Tyr caa	ttc Phe gtg	aaa Lys 70 ata	ggg Gly gtt	Tyr	Phe aag	
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264 265 267 268 269 271	Leu tta Leu	gaa Glu 75	Arg 60 cca Pro	gga Gly aag Lys cat	Val act Thr	Ser atc Ile caa	yal ggt Gly 80 cca	Gln 65 ggt Gly cga	tat Tyr cca Pro	cgc Arg tgt Cys	tac Tyr caa Gln	ttc Phe gtg Val 85	aaa Lys 70 ata Ile tta	ggg Gly gtt Val gaa	Tyr cac His	Phe aag Lys gaa	363 411
264 265 267 268 269 271 272 273	tta Leu tgg Trp 90	gaa Glu 75 gag Glu	Arg 60 cca Pro act Thr	gga Gly aag Lys cat His	val act Thr cta Leu	ser atc Ile caa Gln 95	yal ggt Gly 80 cca Pro	Gln 65 ggt Gly cga Arg	tat Tyr cca Pro tca Ser	cgc Arg tgt Cys ata Ile	tac Tyr caa Gln acc Thr	ttc Phe gtg Val 85 cct Pro	aaa Lys 70 ata Ile tta Leu	ggg Gly gtt Val gaa Glu	Tyr cac His agc Ser	Phe aag Lys gaa Glu 105	363 411
264 265 267 268 269 271 272 273	tta Leu tgg Trp 90 att	Ser gaa Glu 75 gag Glu att	Arg 60 cca Pro act Thr	gga Gly aag Lys cat His	val act Thr cta Leu	ser atc Ile caa Gln 95 gga	ggt Gly 80 cca Pro	Gln 65 ggt Gly cga Arg	tat Tyr cca Pro tca Ser	cgc Arg tgt Cys ata Ile	tac Tyr caa Gln acc Thr 100	ttc Phe gtg Val 85 cct Pro	aaa Lys 70 ata Ile tta Leu	ggg Gly gtt Val gaa Glu	Tyr cac His agc Ser	Phe aag Lys gaa Glu 105 act	363 411
264 265 267 268 269 271 272 273	tta Leu tgg Trp	Ser gaa Glu 75 gag Glu att	Arg 60 cca Pro act Thr	gga Gly aag Lys cat His	val act Thr cta Leu	ser atc Ile caa Gln 95 gga	ggt Gly 80 cca Pro	Gln 65 ggt Gly cga Arg	tat Tyr cca Pro tca Ser	cgc Arg tgt Cys ata Ile	tac Tyr caa Gln acc Thr 100	ttc Phe gtg Val 85 cct Pro	aaa Lys 70 ata Ile tta Leu	ggg Gly gtt Val gaa Glu	Tyr cac His agc Ser gaa Glu	Phe aag Lys gaa Glu 105 act	363 411 459
264 265 267 268 269 271 272 273 275 276	tta Leu tgg Trp 90 att	gaa Glu 75 gag Glu att Ile	Arg 60 cca Pro act Thr att Ile	gga Gly aag Lys cat His gac	act Thr cta Leu gat Asp	atc Ile caa Gln 95 gga Gly	ggt Gly 80 cca Pro caa Gln	Gln 65 ggt Gly cga Arg ttt Phe	tat Tyr cca Pro tca Ser gga Gly	cgc Arg tgt Cys ata Ile atc Ile 115	tac Tyr caa Gln acc Thr 100 cac	ttc Phe gtg Val 85 cct Pro aat Asn	aaa Lys 70 ata Ile tta Leu ggt Gly	ggg Gly gtt Val gaa Glu gtt Val	Tyr cac His agc Ser gaa Glu 120	Phe aag Lys gaa Glu 105 act Thr	363 411 459 507
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264 265 267 268 269 271 272 273 275 276 277	tta Leu tgg Trp 90 att	gaa Glu 75 gag Glu att Ile	Arg 60 cca Pro act Thr att Ile	gga Gly aag Lys cat His gac Asp	act Thr cta Leu gat Asp 110	atc Ile caa Gln 95 gga Gly	ggt Gly 80 cca Pro caa Gln	Gln 65 ggt Gly cga Arg ttt Phe	tat Tyr cca Pro tca Ser gga Gly	cgc Arg tgt Cys ata Ile atc Ile 115 act	tac Tyr caa Gln acc Thr 100 cac His	ttc Phe gtg Val 85 cct Pro aat Asn	aaa Lys 70 ata Ile tta Leu ggt Gly	ggg Gly gtt Val gaa Glu gtt Val	Tyr cac His agc Ser gaa Glu 120 cgt	aag Lys gaa Glu 105 act Thr	363 411 459 507

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/047,855

DATE: 02/05/2002 TIME: 16:19:34

Input Set : A:\Seqlist.txt

Output Set: N:\CRF3\02052002\J047855.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date